

May-June, 1949

Vol.XI-No. 4

Albert E. Yates, VE3BIJ
232 Benson Ave.,
Toronto 10, Ontario.

7/50

XTAL

for the

radio

amateur



OFFICIAL JOURNAL
THE CANADIAN AMATEUR RADIO OPERATORS' ASSOCIATION
TORONTO, ONTARIO



HAMMOND

TRANSFORMERS

RECOGNIZED FROM
COAST TO COAST AS
CANADA'S ONLY
COMPLETE TRANSFORMER
LINE...

A reliable product supported by
a reliable Guarantee.

Specify "HAMMOND" and be
sure of dependability
and trouble-free service.



Standardized
high
QUALITY

C. S. A.
Approval
3902

HAMMOND

MANUFACTURING
COMPANY LIMITED
GUELPH, ONT., CANADA

**FOR BETTER
RECEPTION**

Westinghouse
Radio Tubes

Old-timers who know radio from 'way back, can remember the name Westinghouse as a symbol of radio development coupled with dependability. The name Westinghouse on receiving or transmitting tubes is still your guarantee of the best . . . for longer life . . . for uniform performance.



Always Ask For Them By Name

Westinghouse RADIO TUBES

CANADIAN WESTINGHOUSE COMPANY LIMITED, HAMILTON, CANADA



LESS PANEL SPACE WITH . . . PR's

If you are one of those (and who isn't) that like to move around the band . . . stick a whole handful of PRs in your rig. They're small . . . occupy 25 per cent less panel space than ordinary crystals. You can put a dozen PRs in amazing little space. That's why more and more hams the world around are saying: "I'm crystal controlled but NOT rock bound!"

10 METERS, Type Z-5,

• 20 METERS, Type Z-3,

• 40 & 80 METERS, Type Z-2,



PRECISION CRYSTALS
USE "PR"
and KNOW where You Are!

PETERSEN RADIO COMPANY, INC., 2800 W. BROADWAY, COUNCIL BLUFFS, IOWA

BE SURE YOU'RE ON THE BAND

KNOW YOUR MODULATION PERCENTAGE

MEASURE YOUR FIELD STRENGTH

With the famous Model "77"

WAVEMETER and MODULATION INDICATOR ...

Although Model "77" is no larger than a man's hand, it has the fine Simpson meter movement and precision engineering that assure lasting accuracy. It is protectively housed in a cast aluminum case.

You can spot your transmitter at any desired point on the band, keep constant check on percentage modulation, monitor the quality of your transmission or plot antenna field patterns. Also, you will find the Model "77" handy for searching the region between bands for harmonics and parasitics, and indicating changes in actual radiated power output. All readings are clearly and instantly indicated on a direct-reading dial.

For even greater utility, the Wavemeter is equipped with a two-foot long antenna that can be plugged into the panel well on those occasions when field strength indications are desired. Separate coils for the 10, 20, 40 and 80 meter bands, and individual, hand calibrated curves, are also furnished.

You will find that Model "77's" convenient size, accuracy of calibration, and wide range of utility make it the most useful ham instrument produced in recent years.

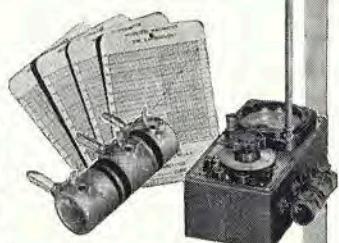
Size: 2" x 2 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ "

Weight: 1 $\frac{3}{4}$ lbs.

Shipping weight: 2 $\frac{1}{2}$ lbs.

**Dealer's net price, complete
with 4 coils** \$32.50

**Set of 5 all-wave coils,
providing continuous and
overlapping coverage
from 2 to 55 megacycles,
extra, net** \$3.75



Important WAVEMETER Features

1. An accurate wavemeter, band-spread for each ham band with individual hand-drawn calibration curves and a sensitive 0-100 microammeter as a resonance indicator.
2. Separate plug-in coils for each of 10, 20, 40 and 80 meter bands supplied—coils for other bands available at slight extra cost.
3. Additional between-band coverage available at the flip of a switch.
4. Extremely sensitive field strength indicator calibrated in relative power output, for antenna adjustment and field pattern measurement.
5. Push button switch for dual meter sensitivity plus provision for a plug-in antenna covers all possible field strength conditions.
6. Provision for head phones for use in station monitoring and quality control.
7. Finally, a direct reading Percentage Modulation Indicator, with the instrument calibrated 0-110% Modulation.
8. Designed to function on the 144, 235 and 420 megacycle bands without coils, but with a quarter wave antenna section. Reads field strength and percent modulation and spots the band at these frequencies.
9. Compact in size and completely shielded in an attractively finished cast aluminum case.
10. Extremely rugged in construction, with all parts securely held in place to assure permanent accuracy.
11. To be used as a field strength indicator to determine radiation pattern.

Bach-Simpson Limited
71 Carling St., London, Canada

You can put your confidence in
GENERAL ELECTRIC



Electronic Radio Tubes

General Electric Electronic Radio Tubes are highest-quality products because they are produced in stages that permit frequent precision engineering tests. Basic materials of all G-E Tubes are pre-tested. The delicate machines are in the capable hands of skilled, well-trained and efficient men and women. These famous transmitting and receiving tubes go through hundreds of tests before they leave the factory.

For dependable replacements, put your confidence in G-E. Write or telephone your jobbers for prompt delivery of all types.



- ★ Outstanding in performance
- ★ Famous G-E dependability
- ★ Easier to sell

LEADERS IN RADIO, TELEVISION AND ELECTRONICS

AHEAD IN SUPPLYING

...data that make it easy to choose the right tubes. For your copy of the G-E Electronic Tubes Ratings and Characteristics book and for profit-building sales promotion aids, write to the Electronics Department of your nearest C-G-E office.



49-TU-4R

CANADIAN GENERAL ELECTRIC COMPANY

LIMITED

HEAD OFFICE: TORONTO — Sales offices from Coast to Coast



XTAL

[C R Y S T A L]

Published by

THE CANADIAN AMATEUR RADIO OPERATORS'
ASSOCIATION

46 ST. GEORGE ST., TORONTO 5, ONTARIO
TEL. Midway 8235

Authorized as second class mail, Post Office Department, Ottawa.

MAY-JUNE, 1949

Vol. XI No. 4

CONTENTS

	Page
Special Electrons	6
CAROA Executive	6
DX News	8
Club Activities	9
Here's How	10
C. and U.S. R.S. Column	11
Meet the Old-Timers	12
Welcome, OM	14
National Report	16



A Message From The President

The new executive committee of CAROA assumed responsibility for the direction of the affairs of our association on and from April 22 last. We humbly enter upon our duties with an expression of sincere thanks for the valued privilege of serving Canadian amateur radio through the administrative body of CAROA. We can only hope to display our appreciation by faithfully applying ourselves to the task that lies before us.

The field of CAROA is the domestic field, and there is much need for a national association within the four corners of the Canadian picture. At the same time, CAROA will ever be ready to lend its support to any contemporary organization which, in the broader field, is endeavoring to serve the best interests of amateur radio, generally.

The value of an association such as ours is not to be found by the use of a yardstick which measures in terms of acquisitive achievement. Our real value can only be measured in terms of the ready availability for immediate action of a well-organized society which can promptly turn its highly developed state of efficiency to the useful service of its members.

In the ordinary course of events, the things which one is likely to lose are those things which he leaves unguarded. If a man stands guard over his possessions he is not likely to lose them. He may never know whether or not he would have lost them had he not been on guard. That is not important. The significant thing is that he prized his possessions, therefore, he guarded them, and because he did so he was not deprived of them. Eternal

vigilance was the cost of his continued enjoyment of his possessions.

The man is not interested in acquiring further possessions. His prime concern and need is the retention of that which is now his. The achievement of further possessions might increase his wealth, but it does not necessarily follow that his pleasure will increase at the same ratio. On the other hand, the loss of that which he now has would impoverish him indeed.

Concurrent with the efforts of our hypothetical man, his neighbors may be busily engaged in providing themselves with the same form of protection. Even so, it cannot be assumed that it is safe for our man to relax his protective efforts. While the community as a whole may be a safe place in which to live, nevertheless, the safety factor, when channelled down to the individual level, may not be too intense if our man has not properly organized himself to take a proper share of his community responsibility.

So, friends, let us rally to the support of our cause. The sort of association we envisage for ourselves is one in which every amateur in Canada holds membership. To make this possible the annual membership fee has been placed at one dollar annually. The cost of organized strength is less than two cents per week.

We have our Boards of Trade, our Chambers of Commerce and other organizations. We have trade unions administered on the national level within the international picture. We have such organizations because of the benefit that

accrues from the strength of their very existence. Amateur radio is in no less need of the same type of organization. The support we can lend to others depends upon first organizing ourselves. 73.

R. A. Macdonald, Ve3APS.

SPECIAL CAROA ELECTIONS

Pursuant to the unanimous adoption of a resolution at a meeting of the Executive Committee of CAROA held on May 28, 1949, notice is hereby given that an election is to be held to fill vacancies on the Executive Committee as follows:

Area	Vacancies to be filled
Ve1	4
Ve2	5
Ve3	4
Ve4	1
Ve5	3
Ve6	2
Ve7	5
Ve8	1

Nominations will be received at Association Headquarters, 46 St. George Street, Toronto 5,

Ontario, to and including July 29, 1949.
Please Note:

1. Any member in good standing may be nominated to represent his own call area.
2. All nominations must carry the nominating signatures of five (5) members in good standing, all of whom shall hold amateur station licenses of the area for which the nomination is made.
3. Any number of nominations may be submitted on the one form provided the form carries the requisite five signatures.
4. Any number of nominations may be made regardless of the number of vacancies in the area.
5. Do not nominate for a call area other than your own.
6. Do not nominate a member in another call area as a candidate representing your area.
7. Nominate for your area from your area members.
8. In areas where the number of nominations received necessitates an election, full information will be made available with ballot distribution.

R. A. Macdonald, Ve3APS, President.
R. Haslett, Ve3RH, Secretary.

New CAROA Executive Committee

A short time ago, we announced the holding of CAROA elections and called for nominations as a preliminary thereto. Some of the nominations received were valid and some were not, inasmuch as they did not comply with the provisions of the constitution as set out in our editorial on the subject at the time we called for nominations.

Members whose nominations were in order were contacted for an expression of their willingness to accept the nomination. Practically all did so. Since the total valid nomina-

tions was less than the number to be elected, all who accepted nominations found themselves on the Executive Committee by acclamation.

Those so acclaimed then elected the officers from their own numbers as provided by the constitution with the following result:

President, R. A. Macdonald, Ve3APS; vice-president, Thos. Hunter Jr., Ve3CP; secretary, R. Haslett, Ve3RH; treasurer, R. Hunt, Ve3WX; publications manager, T. G. E. Powell, Ve3ZE.

Other members of the Executive Committee: W. H. Anderson, Ve3AAZ; E. Kimble, Ve3FQ; J. Beardall, Ve3MJ; A. A. McArthur Ve3DJ; K. Emes, Ve3RG; A. J. Stephens, Ve3YS; A. F. Ferguson, Ve3HP; W. White, Ve3BMG; A. W. Fraser, Ve3ANO; A. L. Wilson, Ve3AMB.

The new committee entered upon its duties on April 23, 1949. The second meeting of the committee was held on May 28. At that meeting, consideration was given to nominations which were not in order. The committee regretted that the specific provisions of the constitution do not give it authority to validate any such nominations. However, the meeting was of the unanimous opinion that those whose nominations were not in order should have the opportunity of serving on the executive body and in order to make this possible, directed that a special election be held in all call areas where vacancies still exist.

Furthermore, a letter is being sent to all disqualified nominees and their nominators drawing attention to the fact that their nominations did not comply with constitutional requirement. The holding of a special election will give all such disqualified nominees an opportunity to be validly nominated.

Ontario Amateur Radio Picnic

Plans for the big picnic to be held at Puslinch Lake (Lakeview Resort) on Sunday, July 10, are going ahead merrily. This picnic will be a dandy if the untiring efforts of the committee are any indication. Nothing is being overlooked that will in any way make a contribution towards the success and enjoyment of the day.

Details of the program are being worked out in accordance with the best picnic tradition. We can assure you of that. We can also assure you that if you miss this affair you will be a sorry individual. If you are amongst those present you will go home with the impression that you have spent a thoroughly enjoyable day. You will also carry away the conviction that hams and their families are really swell folks to mingle with.

We are not able to say anything about QRM for Sunday, July 10, but we can promise you that QRM will be knee deep because Puslinch Lake is certainly located near Galt where it can be reached by hundreds without too much of a driving chore.

Tickets are moderately priced at: Hams, 50 cents; yls, xyrs, swls, children over 12 years, 50 cents; children under 12 years, free.

FOOD FOR BRITAIN

In Canada, some of us may think the cost of living is still high. Even though we must pay a bit more for some things, nevertheless, we are able to purchase them. Given the financial ability, we can buy just about as much of anything and everything in the way of daily needs as we wish.

Not so in Britain. Over there, the basic things which we buy freely across the counter for the mere passing of coin, are rationed. For that reason, "Food for Britain" activities continue to be necessary and, therefore laudable.

The Ontario Phone Club is still actively engaged in providing food parcels for British amateurs, and is happy to serve as the medium for receiving donations from all who wish to aid and who might not otherwise know where to send an occasional contribution.

The treasurer of the fund is A. J. Stephens, Ve3YS, 29 Summerhill Ave., Toronto 5, Ontario, who is capably assisted by Mrs. C. E. Lloyd, xyl of Ve3DD. These two enthusiastic workers are devoting a degree of interested attention to the work that ensures the utmost benefit accruing to the British hams from every dollar contributed. To them has been entrusted the responsibility of the undertaking. They are experimenting with a plan which saves postage and which is highly recommended. If this plan proves to be what is hoped for it, even greater value will come from every dollar contributed.

The Ontario Phone Club meets Sunday at 9.30 a.m. (3815 Kc.) and in the course of each meeting there will be a name acknowledgement of all donors during the previous week.

This Food for Britain Fund is commended to the active support of every Ve3 and to any others who may feel disposed to lend assistance. If you can spare an occasional small contribution send it to Ve3YS in the knowledge that many small contributions result in a sizeable and workable fund that makes a splendid work possible.

Help others to enjoy in some small measure that which is so abundantly available to us here.

Check the date on the address of your XTAL. If your renewal is due shortly, send your membership dues in NOW. Our office work will be cut down considerably if you renew before the expiring date. And while you're at it, how about getting your ham neighbor's membership and sending it along with yours?

RADIOS FOR SHUT-INS

We are in receipt of the following letter from Ve3AWI, Goderich. Any club wishing to help in this worthy effort should write him at the address given below.

The Ontario Phone Club has unanimously voted to support the work of our radio committee, which is endeavoring to obtain radio sets for those shut-ins who are unable to own one. To start the ball rolling two members of the club generously offered to contribute a set each, another is replacing a volume control for a shut-in, and other offers of servicing sets that may be donated to us in need of repair have been received. All this is most encouraging, and leads us to believe that if the general body of Canadian amateurs knew of this work our object would meet with success.

So far there are about 35 applications in our files, with more coming in weekly. These are from shut-ins all over Canada, some living in hospitals and sanatoria, others in private homes, all without the means to purchase a set of their own. Each case will be investigated and only the worthy considered. The majority of the sets we need are of the ac-dc type, although we can place a number of console (both 25 and 60 cycle) and battery sets.

If any amateur has a set that he would like to contribute would he please get in touch with Miss Jean Calder (Ve3BVJ), secretary-treasurer of the committee, 351 Princess Ave., London, Ont., who will be glad to give the address of the nearest shut-in to whom the set may be sent. We'll try our best to pay transportation charges.

Here is a splendid opportunity for other radio clubs, and the individual amateur as well, to emulate the fb example of the Ontario Phone Club. If other clubs would sponsor the project in their respective communities we would be well on the way to realizing our objective. Won't you please give this some thought? Your support will merit the gratitude of shut-ins everywhere.

The Shut-in's Day Association,
Box 474, Goderich, Ont.

ONTARIO PHONE CLUB

HAMFEST AND PICNIC

SUNDAY, JULY 10

LAKEVIEW RESORT

PUSLINCH LAKE

The biggest event of the summer
in Ve3. Bring all the family.
Contests and prizes for all.

DX NEWS OF THE MONTH

By R. D. Carter, Ve3QD

This month we're going to establish a precedent and publish the claimed scores of the dx contest, mainly to show how good the conditions really were during both periods. The second session wasn't as good as the first, in that the last 24 hours were quite poor from coast to coast. However, some mighty fine dx was heard and worked by all contestants and the scores establish a new high for Canada even when the extra two QSO's per country are taken into consideration. So here's how the ones we've heard from stack up:

	Multiplier	QSO's	Points
Ve7HC	180	397	214,200
Ve3KE	183	357	192,150
Ve4RO	173	371	191,030
Ve3QD	170	340	173,570
Ve1PQ	117	---	91,260
Ve1OK	113	---	88,700
Ve1EA	98	---	50,000
Ve2BV	88	---	38,000
Ve3AGX	87	131	36,800

Lots of hard work, lack of sleep and coffee helped to run up the above scores. Congratulations to the various winners, and let's hope that 1950 scores will be even higher. We would like to say here that the spirit of competition amongst the Ve's is really fine. They are all out to win, naturally, but win or lose it's all the same, and we have yet to hear any cut-throat remarks or practices amongst them. Keep it up, boys, as it's a pleasure to compete against all of you.

Illness can have its compensations, and 3TB is wearing a wide grin these days. He made real use of his convalescence and has his worked total over 100. He worked 53 countries in March. Nice going, Doug. 1EA spent most of his spare time in the contest on 80 meters and worked 21 countries and got his last continent for 80 meter WAC. Congratulations, Clarry. 3ACS raised PX1A, EA8MC and UA6KFD for anew zone. 8AS has been adding to his totals since getting the new rig in use. 3AGC has rebuilt and got QSL's from AR1OD and ZA2AA and also has his DXCC at last. 3AGX worked 17 countries on 80, which is good for this part of the country. Keep it up, Frank. 3KE really made use of 10 meters in the contest, as his 58 countries will show. 1PQ and 1OK took enough time away from their studies to stage a real battle for 1E land. Both are now QRT till school is over. 5QZ found conditions poor and tried 40 in desperation. He now wonders why he didn't try it earlier, hi. 3BNQ has finally achieved his ambition of 100 countries on 10 fone. After years of trying, 3AJS coaxed a QSL out of

Asia, and has a phone WAC certificate. His post-war countries total is 60. 7AFI had lots of fun in the contest and had some nice QSO's with a single 807. 3AAZ finally has his 100th QSL for DXCC. Congrats, Walter. 7HC put up a V-beam for Europe for the last dx session and it really did the trick for him. 2BV did very well with no beams and only makeshift temporary antennas. 5CD, our first xyl to report, has the dx bug and in February alone worked 63 countries and 31 zones. That will make some of you would-be dx men sit up and take notice. VO6EP has been busy and his totals are climbing very fast. Art was a busy man in the contest and was on the receiving end. It's easier that way, he says.

Well, that's all for now, and in closing want to say that I'm turning over the column to someone else, as I haven't the time any more to keep it up. May I thank each and every one for the splendid support you have given to me. It's your efforts that have made this column possible. So will be watching for you all over the air and lots of luck and dx to you.

Please send contributions to CAROA for the time being.

	P. W. Countries	Zones
Ve7HC	180	40
Ve4RO	172	40
Ve7GI	139	39
Ve3QD	185	38
VO6EP	158	38
Ve3IJ	155	38
Ve2WW	146	38
Ve1EA	136	38
Ve1PQ	119	36
Ve3ACS	109	36
Ve3BNQ	100	36
Ve3AGC	125	36
Ve3AAZ	123	35
Ve3AVA	111	35
Ve3TB	102	33
Ve1NE	91	32
Ve5QZ	72	31
Ve5CD	63	31
Ve8AS	65	30
Ve3QU	71	29
Ve3PI	83	28
Ve1OM	82	28
Ve3BAP	72	28
Ve2BV	73	26
Ve3QE	60	24
Ve4XO	130	---
Ve3AGX	87	---
Ve3QB	68	---

Those not listed have not reported for some time and we therefore feel there is no object in repeating.

CAROA CLUB ACTIVITIES

The Hart House Ajax Amateur Radio Club, Ve3BPD, at Ajax, Ont., recently added a new flock of aspirants to a most fascinating activity. Last fall, Cliff Brown, 3AGN, and Frank Ford, 3AKO, had the boys tumbling out of bed early in the morning to get in some code and theory before taking their academic lectures. Jim Thomas, 3BVX, assisted with the code classes in the evenings. As a climax to the hard work of both the instructors and students, arrangements were made to have a radio inspector visit Ajax. Last week, R.I.'s Doubleday and Ricker kindly consented to come out to put the boys through their paces. The test results spoke well for the effort and enthusiasm of the ambitious class: all passed. All of the new hams have agreed to be placed on the list of operators at Ve3BPD, presently to become a new link in the AFARS emergency communication scheme for all of Canada. The brand new hams are: Derela Chase, Ve3BEP; Len Bostrom, 3AYD; Bert Mac Diarmid, 3BDQ; Brent Davies, 3BFT; Phil Wilburn, 3AXI; Phil Byrne, 3AXX; Ted Stock, 3AWZ and Cec. Best, 3BFB.

The 1949 officers of the Frontier Radio Association, Windsor, are as follows: President, John Baillie, 3ZO; vice-president, W. P. Andrew, 3WA; secretary, G. S. Stiles, 3BZ; treasurer, R. Sears, 3AHL; trustees, A. Inkster, 3BQC, T. Hunter, 3CP, J. Stipek, 3AVI.

Fraser Valley Amateur Radio Club announces its new officers as follows: President, Ve7DQ; Gordy Stemson; vice-president, Ve7ADZ, Reg Easingwood; secretary, Ve7FQ, Don Clarkson; emergency, Ve7WI, Wally Wicks; training, Ve7AFB, Jimmy.

The 1949 officers of Scarboro A.R.C. are: President, Al Wilson, 3AMB; vice-president, Art Wilkins, 3BQX; secretary, Art Langstaff, 3FO; assistant secretary, Dennis Easson. The club's new transmitter is now on the air, using the club call 3BXT. Ladies' night, complete with a two-hour sound movie program and refreshments, was held March 29. 3AZC and 3JO are instructors of the code class.

The writer is happy to report that the "swing" exhibited at the opening meeting last year of Radio Club of Quebec, Quebec City, has been fully maintained. A series of technical conferences, plus a few appropriate

cinema presentations, have largely contributed in sustained an ardent enthusiasm amongst the members. The organizational committee published and distributed a list of all the local amateurs, the appreciation of which was unanimous. At our April meeting it was proposed to hold a forum on the subject of "Rules and Regulations." Some will have to be amended and others added to render our Constitution compatible with the advancements achieved to date. (Ve2PC).

Supplementary to the A.R.R.L. annual field day contest, and in order to promote more Ve2 activity, the Montreal Amateur Radio Club is offering trophies to the winning station in Quebec. Only two operators per station will be allowed but there will be no restriction as to the equipment or the number of helpers you have on hand for the week-end of June 18 and 19. It is imperative that those desiring to enter this contest make advance registration no later than June 15 in order to qualify, by writing to the Montreal Amateur Radio Club, Post Office Box No. 1, Station "D", Montreal. The rules will be the same as shown in QST. (Ve2XR).

The April meeting of the London Amateur Radio Club proved very successful with Jerry Hosker of a local firm telling the boys the interesting things that happen to the voice as it is transmitted to a receiver. The club is to have a large display in the coming Hobby Fair, and definite plans are being laid for Field Day. Our service project of entertaining shut-ins with an evening of ham radio has proven very successful, according to local papers.

The Georgian Bay Amateur Radio Club was formed on April 4, 1949, in Midland. It is hoped to include all hams and others interested in short wave radio from Midland, Penetanguishene, Victoria Harbour and neighboring district. There are about four members practicing code with the club, and will qualify for ticket in the near future. We have an average of twenty attending regular weekly meetings. It is hoped to arrange for a permanent QTH so that a rig may be put on the air in the future.

Ve3AG, Bob Trustham, of Penetanguishene, is president; BIP, Harwood Gosselin, vice-president; Ross Harman, secretary.

CAROA lapel pins are available from HQ at a price of 75 cents post paid. Get your pin before the hamfest season.



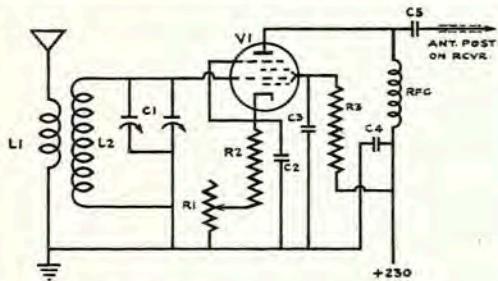
FOR THE EXPERIMENTER

Herewith is the schematic of an all-band RF amplifier for use ahead of any receiver. I use it ahead of an AR2, and it certainly soups up the signals on 20 meters. It covers continuously from 3500 Kc to 15 Mc, with a two-section BC condenser, the sections in parallel. The coil is wound on a $\frac{1}{2}$ " form 2 $\frac{1}{4}$ " long, the grid winding spaced 1 $\frac{1}{2}$ ", the antenna winding $\frac{1}{8}$ " away and close wound.

It can be built quite compactly on a chassis 3 x 4 x 2", using a midget BC condenser. Tuning is not critical, and only needs peaking on weak signals when set for a given band.

Heater, plate and screen voltages may be robbed from receiver, as current drain is small.

To connect to receiver, run as short a piece of shielded wire as is possible from the .0001 condenser to the antenna post on the receiver.



L1—10T. #28 or 30

L2—18T. #20 on $\frac{1}{2}$ " form, spaced 1 $\frac{1}{2}$ "

C1—2 section 365 MMF, B.C. condenser

C2—.01 400v.

C3—.01 600v.

C4—.01 600v.

C5—.0001 mica

R1—10,000 ohm Pot.

R2—200 ohm $\frac{1}{2}$ W.

R3—75,000 ohm $\frac{1}{2}$ W.

RFC—2.5 MH. RF. Choke

V1—6SK7-6SG7 or Equivalent.

Tune in a signal, and peak with the RF amplifier. It will bring a 20-meter signal up at least two "S" points, and helps reduce images on 20, as well.

With a suitable coil, it could be used on 10, but I use a broad-band converter with R9er input to a 6AK5, so don't require it on 10 meters. In fact, I have a two-gang three-position switch, so I can select either antenna direct to receiver, RF amplifier ahead of receiver, or converter ahead of receiver.

Jim Musselman, Ve3AZH, Dundalk.

From time to time we receive specific requests for constructional articles, and ask our readers to submit the results of their experiments. Problem: To build a suitable power supply for Type C2 Marconi frequency meter, to fit in battery compartment, good regulation, cost reasonable.

A note from Ve3AGG says: "For a beautiful finish on Masonite, try Kiwi oxblood shoe polish. After one application a week for several weeks, it is something to see."

Ve3AE reports he has built a modulation meter as described in February issue, and recommends it highly. By jack and plug he replaces the 10K resistor with a pair of headphones and monitors the signal for quality as well as having the visual indicator for percentage modulation.

When that dream transmitter you are working on this summer is finished, let the ham world know about it by describing its features in XTAL.

SUDBURY DISTRICT HAMFEST SUNDAY, JUNE 19

All hams are invited to a hamfest and picnic which the Sudbury District Radio Club is sponsoring on Sunday, June 19. This will be an all-day affair held at the Girl Guide Camp on McFarlane Lake, approximately five miles south of Sudbury on the Burwash Road.

Rigs will be available, with contacts guaranteed. The club is making a special effort to get as many rigs in the field as possible on both CW and phone.

Don't forget to bring xyl, yl, junior ops and friends as there will be fun for all. There will be prizes galore. The all-important question of food has been well taken care of—a banquet will be served in the early evening, and through the day hot dogs, hamburgers and beverages of all kinds will be available.

If you arrive on Saturday please phone 77689 and we will roll out the welcome mat. If you get here on Sunday morning, phone 77505 for directions or call at CKSO studios. The route will be well marked with signs from Sudbury along the Burwash road. If arriving by train, please advise and transportation will be provided.

Registration fees are as follows: OM's (licensed amateurs), \$2; xyl's, yl's and friends, \$1.50. This fee includes the banquet.

Be sure to let us know how many will be in your party and don't forget your swimming suit as there is a beautiful beach. Come early and stay late.

HAM RADIO ASSISTS FLIER IN FAR NORTH

On Jan. 17 Pat Collison, who operates a flying service out of Dawson, Y.T., took his regular mail run to the tiny settlement of Sixty Mile, Y.T. Pat was using his ski-equipped Fairchild 24, and as he was taxiing on the runway at Sixty Mile one ski dropped into a hole and the nose dropped low enough for the prop to strike the ground. One foot of one blade was snapped off and Pat was stranded.

On the 19th Rudy Amren, Ve8BC, located at Bear Creek, heard weak signals from Sixty Mile radio calling for any amateur in Dawson to call him and that he was listening on the 75 fone band for replies. Rudy contacted him and asked him to stand by while he phoned to Ve8AH in Dawson. Ve8AH got on the air at once and got Sixty Mile with a nice signal. Ve8GH at Snag Airport also contacted Sixty Mile and asked if he could help. It was decided to try and get a plane in from Fairbanks, Alaska, to go to his aid, and Ve8GH handled all the traffic destined for Alaska, as he was on the D.O.T. teletype circuit. Schedules were then set up with Sixty Mile so that traffic could be passed, and it was arranged that two Dawson stations would share the duties, Ve8CG and Ve8AH. After a couple of days' wait no plane showed up from Fairbanks, and an inquiry was sent, resulting in the news that the plane had left Fairbanks and must have been forced down enroute to Dawson. This plane was soon found to be safe, but other arrangements had then to be made to get help to Callison. A charter was arranged with the CPA Norseman that was coming into Dawson from Aklavik and this plane was able to fly the propeller and necessary tools out to Sixty Mile on the 27th. Callison was able to return to Dawson with his plane the following day. Pat Callison is not an amateur himself, but managed to get the Sixty Mile transmitter going. This is a small commercial fone transmitter that is used by the mining company during the summer months to keep contact with Dawson. Pat was loud in his praise of amateur radio and all the help the amateurs were able to give him. Once again amateur radio has come to the rescue in the far north.

B.C. CLUBS ELECT OFFICERS

Club Notices

New officers of Vancouver A.R.C. are: President, Ralph Norman, Ve7ID; vice-president, Ernie Savage, 7FB; secretary, Hedley Rennell, 7XW; treasurer, Don Byrne, 7AOB; technical, David Van Ness, 7AP; historian, Don Fraser; activities, Don Ansell. Ve7YE; vice-president, H. Dale, 7NH; sec-treas., T. Hepple.

C.&U.S.R.S. COLUMN

By Sid Prior

Here we are again, and with this article we will wind up our SWL contest. Now what to do with all your SWL cards, which I hope you have lots of, and it is possible that it is going to be a tough contest for myself and helpers to decide who are the winners, but whoever they are it will be a pleasure to send them their prizes. Now talking of prizes, we have for the winners a \$10 voucher from Canadian Electrical Supply, a 10" PM speaker from A. & A. Radio Supply, a key from Radio Trade Supply, and to make up the four prizes I am donating a 8" PM speaker, as I know a speaker is always useful to an SWL. At this time I wish to extend our thanks to the wholesale houses for their co-operation.

Now, fellows, any time after May 30, but no later than June 15, 1949 (April and May was time given to get in any SWL cards that you were expecting), you will bundle up your cards, put sufficient postage on them and send them to Sid Prior, 11 Cedar Ave., Toronto 8, Ont.

As soon as possible we will tally the score and let the lucky winners know their good fortune and forward their prizes. After the scores are tabulated we shall return your cards postpaid, so you may keep them for posterity and to show your grandchildren. I am sure you have had a lot of fun and pleasure during this contest, and may the best man win.

It will not be long before the Annual Field Day is here, and if any of you have been on one or more, you will know what a good time one can have, along with lots of work and operating.

If you have not been along on a Field Day, make a point to visit one of the clubs while they are in the field, or better still, go along with your club and see for yourself what the licensed hams can do in case of an emergency.

Well, my friendys, don't forget to send in your cards, postage prepaid, and if you have any news for the column, send it on to me for a future edition of the big little magazine "XTAL"—73.

KINGSTON HAMFEST

See you all at Treasure Island, 4 miles east of Kingston on Highway No. 2.

Sunday, July 3rd, 1949

Registration \$1. For further particulars write E. E. Conley, VE3BDA, 568 Union Street West, Kingston, Ont.

Dear OM....

NEW LOOK FOR OLD RST SYSTEM

Editor, XTAL,

Because of the many possible complicated combinations available in the use of our present RST system, most of us resort to the use of only a few of the items for the sake of simplicity. This means that a number of the designations are not being used, especially in the "Tone" section of the system. It occurred to the writer that this section of the system was pretty complicated as it stood and therefore could be simplified by cutting down on the descriptive words and also by reducing the number of items. At the same time it is thought that the readability and strength sections could also be simplified as well. With all this in mind, here is what the writer suggests as a more streamlined arrangement:

Readability—1, Nil; 2, slight; 3, considerably difficult; 4, slightly difficult; 5, perfect.

Strength—1, Faint; 2, fair; 3, good; 4, strong; 5, very strong.

Tone—1, Rough and broad AC, bad clicks; 2, clicks DC; 3, chirpy DC; 4, ripple DC; 5, pure DC.

The above is but a suggestion put forth by the writer with the hope that a general discussion will ensue in this and other publications so that in the end we may evolve a more satisfactory system for all.—Floyd G. Gribben, VE2XR.

VE3BGN JOINS SILENT KEYS

Editor, XTAL.

I enclose an obituary from the local paper here which marks the passings of VE3BGN, John T. Davidson.

In the pre-war years he was licensed VE4GN, first at Glaslyn, Sask., and later at Spirit River, Alta. From these locations, using a battery-powered 6L6 ECO on 14 Mc CW, he worked all around the world. His log book shows an amazing number of consecutive dx contacts. During the war John was employed at R.E.L. at Leaside. While there he was one of the group instrumental in reopening of CAROA activities in 1945. Licensed VE3BGN in early 1946, he came on the air on 28 Mc CW, and later on the other bands as they were returned. A year ago he started using an 813 final, and was disappointed because dx was no easier to raise than with 807's and 6L6's. John was a fine operator, and I am sure many friends he made during his rag-chews, will regret his death.

W. H. Near (VE3ACB).

MEET THE OLD-TIMERS

Several issues ago we invited applications for membership in a Quarter-Century Club. Sufficient response has been received to inaugurate the club with charter members as listed below. We present the old-timers.

VE1AN, F. W. Rafferty, R.R. No. 1, N.B.—Licensed 1BF in 1920.

VE2XL, Al W. Loke, St. Laurent, Que.—First call 3BJ, issued Oct. 10, 1923, at Toronto. Commercial ticket for 23 years, now Communications Superintendent, Atlantic region, T.C.A.

VE3GG, Mike Caveney, Willowdale—Started in 1916, with 600-volt Edison battery for power.

VE3MJ, Jack Beardall, Chatham—3AE0 from April 26, 1923, then VE9AT and VE3MJ.

VE3BG Fred Hale, Kapuskasing—Proficiency certificate No. 3, July 29, 1920.

VE3YY, J. E. McDonald, Windsor—Has held same call since 1921.

VE3WK, Art Palmer, Toronto—Received same call in April, 1922, and O.R.S. since 1933.

VE3GH, H. G. Peacock, R.R. 2, St. Catharines—Licensed as 3SF in 1921, at Milton.

VE4ZX, G. F. Reynolds, Bissett, Man.—Holds proficiency certificate 172, assigned 4AG on Feb. 27, 1920.

VE6HQ, W. G. Stundem, Calgary—On air first in 1912. (We'll be back to Marconi soon.—Ed.) Proficiency certificate 226, September, 1923; commercial ticket 2441 in 1931; R.I. 1933-46.

VE3BMF, G. Emery Hare, Sarnia—Used 3MW from Oct. 8, 1921. Proficiency certificate 109, Aug. 23, 1922.

VE7CU, W. G. Crisp, Vancouver—Held 5EJ 1922-29, VE5CU and 7CU since.

VE7VS, A. G. Carrick, Powell River—Issued 5DS on Feb. 7, 1924; certificate 317.

VE7BJ, E. S. Brooks, Vancouver—Started in 1911, overseas with Sigs., got 5BJ in 1921.

VE7CW, C. W. Bailey, Nelson—Licensed as 3NK, Toronto, in 1921. Since then has held VE2HB, 3TT and 7CW.

VE7ZF, Russ C. Upsdell, Penticton—First held 3ADE at Hamilton in 1923.

WAVE CERTIFICATES ISSUED

31—D. C. Johnson, VE1OM, Halifax, N.S.

32—Eugene E. Olsen, W9TLT, Wood Dale, Ill.

33—Thomas Wildman, WODIB, Mitchellville, Iowa.

34—George W. Smith, W2AGU, Ridgefield Park, N.J.

35—C. W. Bleichner, W2NOY, Altamont, N.Y.

36—W. T. Pickard, G8KP, Wakefield, Yorkshire, England.

QSL's FOR Ve6's

The Ve6/QSL Manager, W. R. Savage, has cards on hand for the following:

AB, AD, AH, AJ, AM, AN, AO, AV, AW, AY, AB, BD, BF, BK, BV, BY, BZ, CA, CE, CF, CG, CK, CL, CO, CT, CX, CZ, DD, DE, DL, DU, DV, DX, DY, EC, ED, EG, EM, EN, EP, ES, ET, EY, FD, FF, FG, FJ, FO, FP, FT, FW, FZ, GB, GG, GI, GK, GL, GO, GP, GR, GW, GZ.

HC, HE, HI, HT, HV, IB, IE, IF, IH, II, IK, IR, IS, IY, JI, JK, JO, JU, KA, KF, KH, KI, KN, KS, KW, KZ, LE, LF, LG, LH, LJ, LK, LM, MB, MD, MF, MG, MH, ML, MQ, MS, MT, MW, MY, NE, NF, NQ, NR, NZ, OL, OT, OU, OW, UH, PI, PK, PT, PY, QF.

RK, RL, RP, RT, RV, SC, SI, SK, ST, SY, SZ, TI, UP, UR, US, UT, UZ, VF, VM, VY, VZ, WF, WG, WL, WW, WY, XA, XB, XL, XO, XS, YB, YL, YT, YX, YY, ZG, ZJ, ZQ, ZZ.

SHUT-INS FROM RADIO COMMITTEE

The Shut-in's Day Association of Canada announces the formation of a Radio Committee, first in an expansion program aimed to help brighten the lives of Canada's sick and disabled. Responding to the pleas of shut-ins unable to afford the luxury of a radio set, a group of members of the S.I.D.A. have organized the committee and adopted as its object, "A Radio Set for Every Canadian Shut-in."

A non-profit body, with services of its members voluntarily given, it hopes to enlist the aid of the church, radio and press to help make known its work to all radioless shut-ins in Canada.

Officers include Miss Jane Ibey, North McIntyre, Ont., chairman; Miss Jean Calder, London, Ont., secretary-treasurer.

Enquiries from shut-ins or other interested persons may be sent to the latter at 351 Princess St., London, Ont.

EVEREADY TROPHY CONTEST

The A.R.R.L. Field Day Competition will be held on June 18 and 19. The Eveready Trophy Contest is conducted in conjunction with it, and the same rules of operation apply. All Canadian clubs participating are invited to send their logs to CAROA HQ, before July 15, for checking. To the winner goes the splendid trophy, presented in fine style by the Canadian National Carbon Co.

West Side Club of Toronto has won the cup for two successive years, and is busily perfecting plans to top the scoreboard and hold it for another season.

TRAFFIC HANDLERS' DEPARTMENT

The Quebec Emergency Net (QEN)

This net has been in operation since last October as a Sunday morning session on 3570 Kc. at 10.30 a.m. Activities to date have consisted of grooming beginners to net operations as well as the handling of traffic of a local nature. The Net Manager, Ve2GM, plus the assistance of the older hands at traffic work, have been carrying on these morning classes to build up operators for their night-time PQN hookup. In future plans can be found the idea of staging a simulated emergency test amongst the members, which for interest and a test of efficiency, will contain an element of surprise. Regular reporters into the net during January consisted of AEH, XB, XR, GM, and VA, with the odd call from XO. Newcomers were BH, HD and IG. If you think you could spare an hour or so on Sunday mornings and would like to get in the fun and eventually become part of the Amateur Emergency Corps in Quebec, drop a line now to the Net Manager. He'll be pleased to send you the particulars. Drop a line to Bert Altherr, Ve2GM, Net Manager, QEN, 268 Guilbault Ave., Longueuil.

April Traffic			
3AI	261	3AL	53
3WK	135	3ATR	264
3APS	158	3BUR	208
2LO	149	2XR	127

March Traffic			
2VA	54	2GM	119
2XR	106	2AEH	5
2IG	40	2LO	53
2AGG	6	2SC	7
2QR	7	3BUR	135
3SG	8	3BMG	32
3BBM	31	3ATR	143
3DU	33	3APS	85
3WK	62	3AIL	24
5KJ	22	3IA	163

CAROA is anxious to keep its file on clubs up-to-date. Club secretaries who have not done so are requested to send HQ a list of their officers and place and dates of club meetings.



WELCOME OM!

TO THE RANKS OF AMATEUR RADIO...

Ve2AHB—Albert Pearson, 2745 Messier St., Montreal.
Ve2AHC—F. M. Benson, 4339 Wilson Ave., Montreal.
Ve2AHD—A. E. Vaillancourt, Dept. of Transport, Seven Islands.
Ve2AHE—R. D. Dorion, Seignory Club, Papineau County.
Ve2AHF—Ernest J. Locke, 183 Circle Road, Ile Bigras.
Ve2AHG—B. Genest, 135 St. Cleophas St., Beauport.
Ve2AHH—C. S. Field, 273 Hawthorne Ave., Longueuil.
Ve2AHI—G. L. Bowden, Academy St., Sutton.
Ve2AHJ—Walter Jakubowski, 91 St. Charles St., Greenfield Park.
Ve2AHK—D. G. Demers, 126 Vandal St., St. Joseph de Sorel.
Ve2AHL—H. W. Letts Jr., 353 Mercille Ave., St. Lambert.
Ve2AHM—Bernard Dupont, 10705 Clark St., Montreal.
Ve2AHN—J. A. Lachance, Baie des Bacons, Saguenay County.
Ve2AHO—A. C. Guevremont, 183-A Ellice St., Valleyfield.
Ve2AHP—Stanley G. E. Gunston, 3015 Sherbrooke St. West, Montreal.
Ve2AHQ—James Whitehead, 2152-A Masson St., Montreal.
Ve2AHR—A. L. Tanner, Mecatina Radio Range, Mecatina.
Ve2AHS—J. C. U. Bergeron, 381 Third Ave., Val d'Or.
Ve2AHT—J. S. O'Connor, R.C.O.C. Barracks, 6565 Notre Dame St. East, Montreal.
Ve2AHU—J. A. H. J. Audet, La Sarre, Abitibi County.
Ve2AHW—W. J. Moore, 7036 Durocher St., Montreal.
Ve2AHX—P. Valeriote, 20267 Lakeshore Road, Baie d'Urfe.
Ve2AHY—E. J. Landry, Ellis Bay Radio Station, Anticosti Island.
Ve2AHZ—J. E. A. Demers, Fame Point, Gaspe County.

Ve5BG—A. W. Hughes, Ste. 5, Queen St. and Dewdney, Regina.
Ve5DD—Rev. J. E. Desmond, Nipawin.
Ve5FO—W. F. Powell, Wilcox.
Ve5GT—G. N. Patterson, 124 Adelaide St. E., Saskatoon.
Ve5MV—M. L. Falk, 824-7th Ave., Saskatoon.
Ve5AM—A. D. McLean, Buffalo Narrows.
Ve5CT—G. A. Mauchel, 611 Clarence Ave., Saskatoon.
Ve5DH—C. McCullough, Buffalo Narrows.
Ve5GJ—L. H. Harris, 2277 McTavish St., Regina.
Ve5GN—A. J. Leroi, Rose Valley.
Ve5JI—J. H. Irving, Summebury.
Ve5KR—W. Ropertz, 934 Brown St., Moose Jaw, Sask.
Ve5RR—R. D. Shirley, 270 Iroquois St. W.
Ve5RZ—R. A. Fleming, Wolsley.
Ve5DP—J. C. Kook, Outlook.
Ve5EL—F. L'Heureux, Meadow Lake.
Ve5JJ—J. Makuch, 826-9th Ave. N.W., Moose Jaw.
Ve5LE—L. B. F. Ebell, Amulet.
Ve5RL—R. L. Gillespie, 1920 Lorne Ave., Saskatoon.
Ve5RM—R. J. Dand, 1061 Algoma St., Moose Jaw.
Ve5ED—E. A. H. Davies, 42 Hochelaga St. W., Moose Jaw.
Ve5FV—F. J. Walters, 874-9th Ave. N.W., Moose Jaw.
Ve5PJ—J. E. Peterson, Porcupine Plain.
Ve5RF—R. J. Fox, Quill Lake.
Ve5RO—R. K. Powley, Meadow Lake.
Ve5SR—S. R. Roach, Okla.
Ve5BC—C. A. Clemens, Lloydminster.
Ve7HM—M. H. Anderson, 6051 Balsam St., Vancouver.
Ve7KY—L. Stanwood, 1605 Pemberton Ave., North Vancouver.
Ve7AKM—L. J. A. Melanson, Railway Station, Penny.
Ve7RP—R. H. Williams, 3458 W 24th Ave., Vancouver.
Ve7ABI—W. H. Higham, 24 Royal Ave., North Kamloops.
Ve7PP—J. A. Connell, 521 French St., Trail.
Ve7QU—A. J. Dunseith, St. George School, Lytton.
Ve7OD—C. E. Longley, 1843 Acadia Rd., Vancouver.
Ve7OR—A. A. Robinson, 1385 Killarney St., Penticton.
Ve7OX—T. A. Craig, 4539 Walden St., Vancouver.
Ve7QH—J. S. Belrose, 3973 W. 23rd Ave., Vancouver.
Ve8CO—Whitehorse, Y.T.
Ve8CR—Whitehorse, Y.T.
Ve8CL—Sgt. D. Driscoll, R.C.A.F. Station, Watson Lake, Y.T.
Ve8AB—Watson Lake, Y.T.
Ve8BW—Snag, Y.T.
Ve8MK—Ed. Wakefield, R.C.C.S., Ft. Smith, Y.T.

ODE TO A NINETEEN SET

My life was as a tuneful song,
A lovely sort of lay,
When one day something came along
And changed my peaceful way.

It was a set, a nineteen set,
Most wonderful to view—
Switches, dials, knobs and tubes
And other gadgets, too.

It was examined all around
And then it was inverted.
"No good the way it is," they said,
"It's got to be converted."

"Converted?" says I to myself.
"Not by those awful boys!"
The conversion was accomplished
With profanity and noise.

The factory guarantees and slips
Got scanty recognition
As fast our heroes start upon
The task of demolition.

And after busy hours of work
I am invited in.
But what assails my ears is like
A boiler factory din.

The shrieks and squeals it does emit
Its very sides must ache.
"But there are tests," I'm proudly told,
"That all good hams should make,"

And so each day I'm treated free
To some new-fashioned knowlelge,
Enough to fill a great big book
And overflow a college,

And when a newer theme I'm told
My brain goes in a whirl.
I sometimes wish instead of it
He'd got himself a girl.

I hear it when I go to bed,
At morn when I arise,
And often in the night I wake
To unfamiliar cries,

A plaintive voice cries out "CQ,
Won't someone answer me?"
I often wish that I could help
And end his misery.

The days are filled with news and song
From near and far away,
Where in those very distant lands
Tomorrow is today,

And as the days go by, each eve
There comes a silence rare,
Exactly as the clock strikes eight
The net goes on the air.

And chairman Ray calls out the roll
Ed, Percy, Leo, Gus.
We are the least bit envious—
He does not call on us.

But there will surely come that time—
It can't too soon arrive—
There'll be another Ham let loose
To call out "Ve5."

—Mrs. A. McMillan, Kennedy, Sask.

COUPON

Please enroll me as a member of the Canadian Amateur Radio Operators Association. I am enclosing a cheque (), money order (), postal note () to the amount of one dollar which entitles me to all rights and privileges therein, and a year's subscription to XTAL magazine.

Name

Call Letters

Address

City Prov.

Licence Number

State your interest in radio if not licenced

REMIT TO: The Canadian Amateur Radio Operators Association, 46 St. George Street, Toronto, Canada.

QVE

CAROA Official Bulletins

75 Meters Each Thursday

9 p.m. Local Time

The undersigned stations have been appointed as CAROA Official Bulletin Stations. Be sure to listen for your district OBS for latest messages and bulletins of interest to all Canadian amateurs.

Ve1GD—3835 Kc—H. A. Garland
VE2DL—3809 Kc—R. Frenette
†Ve2RM—3802 Kc—Rene Morin
Ve3QB—3835 Kc—W. B. Knowles
Ve3CP—3775 Kc—T. Hunter
Ve4EA—3820 Kc—Frank Lay
Ve5FA—3848 Kc—W. A. G. Simpson
*Ve5GA—3847 Kc—W. T. Rogers
Ve6OD—3801 Kc—E. A. Anderson
Ve7FB—3825 Kc—H. E. Savage
Ve8AS—3820 Kc—J. Spall

*—10:00 p.m.

†— 9:00 p.m.—Friday.

CAROA

NATIONAL REPORT

Ve2

Floyd G. Gribben, Ve2XR, D.R.
5120 Westbury Ave., Montreal. Phone EL. 5387

If you can take some time out from those Field Day plans of yours, I'll take us for a whirl around Ve2. HO moved from Montreal to Plessisville and is set up under the same roof as his brother LQ. Gaston uses 24 watts to an 807 on 80 fone and hears the noise on an SX-24. AEJ of Verdun uses an AT-7 on 80 CW and plugs his phones into a BC-348. XB, Verdun's traffic man, has his all-band phone endorsement, even though he's a full-fledged CW man! Tom has a new rig with Clapp VFO and 811 final. AEG of Montreal also has his all-band phone ticket and is now heard on 80 with the rest of the jam. IP of Montreal bangs the brass on 40. Paul keys an S13. AJF is a new station in the Point St. Charles district of Montreal operated by the C.C.A.F. Air Cadets under the guidance of XB and AEG. The boys are set up at Lorne School with an AT-1 at 100 watts on 80 CW and an R-1155 receiver. ABQ of Levis gives out on 80 CW with 130 watts to PP 807's and uses a British type 27 receiver. ABS of Val d'Or gave the arm considerable use during the curling season. Maybe that's why he was on phone all winter! ABP, ACT and ABU up Val d'Or way are sticking to ten fone. ACP of the same locality finally got on ten fone. SC of Perron manages to get his 700 watts into the Province of Quebec Net (PQN) quite often. YU of Noranda reports he's new up that way, having been Ve3YU. Gord has an S-40 and is anticipating a rig somewhere under 100 watts. He's kept from building his rig 'cause he's QRL being a roving cop for the Western Quebec Mining Association. If you don't send with your feet you don't have to worry, OM! RF, president of the St. Johns Radio Club in St. Johns, seems to be the chief doughnut eater at all the meetings. The club gang made an interesting visit to the Physics Dept. of Classical College to view frequency measurements experiments. SG of St. Johns hooked a JA to get his WAC on ten meters. (Now for the card!) Bill finally gave up his rock garden and is going VO. JN of St. Johns also gets on ten. Paul says he put a noise limiter in his National FBX receiver to keep the trucks and buses from driving through with the sags. He says WF kindly helped him get his new converter going. AEE also of St. Johns is struggling with PP 807's on 28 Mcs. Patience and finesse will do it. Omer! He's waiting on a National all-band tank unit to help matters. VA of St. Johns going great guns in PQN with traffic and gets over better with his longer and better antenna. RF of St. Johns planning new super-rig with bandswitching and three separate finals. JP of the same town commutes to Montreal daily. Settle down, JP, settle down! GD of St. Johns staked his claim in St. Lambert and is now full-fledged taxpayer with his new house coming along. Gang in St. Johns will miss you, Art, OM. (Let's have your new address). LQ of St. Johns got soldered up by saying "for better or for worse, for phone or for mose — I do" and his income tax form now lists him as "M" instead of "S." Good luck to you both, Sid. WY of Westmount moved his two-meter beam from the bedroom to the spot on top of his tower-mounted ten beam. Ross uses an Abbot TR-4 transceiver and does well with it. GM of Longueuil increased his power by jacking up the juice on his old rig and the 6L6's in the final are now sweating it out. XO is heard in the PQN and QEN nets now that the curling season is over. CD of Ville St. Laurent is a new PQN and QEN member. Don uses a command set. GM, manager of both PQN and QEN net reports that the PQN has 19 members, the QEN 14. Of those IG, VA, AEA and XR are members of the Amateur Emergency Corps. Incidentally, QEN is the only fully organized and regularly operating emergency net in the province. GM is the Emergency Co-ordinator for this net and his territory covers all the St. Lawrence Valley. More members are urgently needed, so drop GM a line. WK of Montreal built over-

modulation indicator in Feb. XTAL but reports the battery in the diagram should be reversed. DR of Pointe Claire, an ardent CW man and A-1 Operator since 1931, sold out his entire station to an up-and-coming ham in Dorval. Bill says he's the outdoor type and wants to take up gardening. Sorry you've joined the "quiet keys," Bill. Hope you can raise plants like you raised the dx. UM of Montreal taking commercial op. course at Radio College in Toronto with hopes of taking to the high seas as "sparks" if he comes through OK. Hope so, Hy. GZ of Rouyn is an engineer at station CKRN. Our Drummondville Reporter, LO, says he keeps quite busy with traffic on 40 at 7:30 a.m. and three nights a week on 80 with PQN. AGG also of Drummondville is showing signs of being the town's second traffic man. John has a new 100 watt rig with VO. AAF is a newcomer to Drummondville with the Bell Co. Paul hopes to get going with a 19 set. DS is a new ham in Bagotville. Andre is a commercial op. and is using a Collins ART-13 soup set and an RCA AR-88 receiver. Welcome, Andre! JB working on the organization of new radio club in Victoriaville area. Anything I can do to help, OM? AIX is a new soup squirter in Plessisville and uses a 19 set to get around. At the March meeting of the Montreal Amateur Radio Club the boys heard from BE, the C.G.M. for A.R.R.L., who gave out with some interesting dope. Alec said that single sideband is authorized on all bands subject only to present phone license procedure. Listening nights by your scribe shows two loran stations on the old 160 band that nearly take your ears off. Sound like putt-putt motors. The gang at the meeting also learned that the Radio Manufacturers Association are now putting anti-BCI filters in all sets being made and have instructed their servicemen to install them where necessary in sets already in use by the public. The gang also learned that a movement started some time ago to get mobile privileges for inter-country (Ve/W stations) is definitely canned. Later in the meeting CO gave out with pleas for the gang to get going on Field Day plans. He also said that the Montreal Amateur Radio Club is going to give a cup to each man of the two-operator Ve2 station that gets the highest score in Quebec. He said the contest will take place at the same time as the A.R.R.L. contest on June 18 and 19 and will be governed by the same rules, except that all those wishing to enter the contest should register by June 15 by writing the Montreal Amateur Radio Club, P.O. Box No. 1, Station "D," Montreal. SA and VV took over the remainder of the meeting time with theoretical as well as a practical demonstration of their single sideband equipment. TA made the "Food for G's Fund" collection.

BEEF DEPT. . . . Ham radio just hasn't enough supporters! Yes, I know, all of you are all for ham radio, for it's the world's greatest hobby! I'm all for it too, but I still say there are far too few of us giving support to the cause we SAY we love so well. You don't think so? Let me illustrate! Out of the five thousand or so amateurs in this country, what percentage of them are giving up other phases of ham activity or other fields of endeavour, just to give freely of their time to help the cause of ham radio? Their numbers are mighty small, aren't they? Yet they continue to carry on in spite of their small numbers, and against all sorts of problems and criticisms. Just to make ham radio better. Has it ever occurred to you how bad our state of affairs would be if it were not for this small group who have served amateur radio through the years? They've done mighty well, haven't they? These are the very men and women who have, and will continue to serve, amateur radio! They have given and they will continue to give freely of their time, for no personal or commercial gain, or to seek remunerative recompense. These are those who have served or are now serving on the executives of our amateur clubs and associations. They are those who have taken part, or are those who have offered, or are intending to offer, constructive criticisms, reports on activities, or to pass on ideas for publication in order to help or inform the others. They are those who have observed, and are still

observing, the radio laws of our Government. They are those who've had, and yet still have, a tremendous job to do. They have been, and still are, our pillars of amateur radio! But, you say, what of the others? Regrettably, they help us but little! You'll find amongst them "the complainers," "the let George do its," "the never have timers" and the "I can't be bothereds," etc. You'll also find those who will not join any club or association where they'll get a voice. They just gripe for someone to do something about this or that. They never offer constructive criticisms or pass along ideas to others. They just hibernate and contribute absolutely nothing to ham radio but complaints and QRM! If they'd only realize that we would all get far more out of ham radio if they would only do their share of putting something worthwhile into it. If they would only realize that all efforts are welcomed. If they would only realize that amateur radio is the result of the collective efforts of you and me. If they would only realize that there is far more to amateur radio than just the license and the radio apparatus! If they would only realize that ham radio CAN be made better! If THEY would only realize that THEY can do something to help us make it that way! If THEY would only realize that NOW is the time for all good hams to come to the aid of their fraternity.

AV of Montreal uses 807's on 80 CW and tunes an NC-101X. Jean also has new BC-454 receiver for 80. CL of Montreal slings the RF around on 20 with par. 807's on CW and FM's on it one. An HRO takes care of the incoming noise. A $\frac{1}{2}$ -wave co-ax fed Zepf takes care of the outgoing RF. QF is a new Ve2. Lloyd was Ve3BLC before going to Fame Point in the Gaspe to op. for Marconi at a marine station. AEH of Beloeil Station now has his phone license. Pierre now takes to the mike but wants to master a bug too. Before this scribe completed this column, word came through that the unused portions of our old 160 meter band were returned to Ve and W amateurs April 7. My first QSO was a CW crossband contact with 80 meters due to the lack of Ve's on the band. Those of you who recall the terrific BCL from 160 pre-war, will readily see how much worse it'll be now for there's many more hams, plus many more cheap seats used by the public! To give the ham and the BCL a break, D.O.T. should make FM compulsory on that band and throw out our AM! CI of Montreal changed his VO over the Clapp circuit and reports more stability. JJ of Plage Laval has his old ten-meter beam back up again, although he still has to lean out the window to rotate it! KW of Montreal sporting a VFX-680 exciter and is building a 100 watt final to go with it using a 4D32. AFV of Westmount building VO with 813 final. ACK of Verdun planning midget tube super for Field Day setup near Lachute. ZZ of Montreal building new rig with 4-125A final and which will feature all sorts of safety devices. George expects to make quite a hole in the 80 tone band! HS of Montreal mikes on 80 phone with HK-54's mod. with HY-40Z's. ER also phones on 80. Eric uses par. RK-39's mod. with 6L6's and listens on a Marconi SMR-3. IG of Montreal uses an R-1154 soup-set and an RCA ACR-175 receiver. For emergency work in the AEC he has a 10-watt CW rig and a one-watt phone job! WY of Westmount sporting new QSL with "The Westham Radio Club" (Westmount, N.D.G., etc.) emblazoned thereon. TA of Montreal has jr. op. at the key and is giving him radio theory so's he can get his ticket soon. XO of Yamachiche joined the AEC and has gas engine generator in case of emergencies. DL of Montreal looking for 80 phone men interested in forming a Quebec net. LM of Westmount uses a BC-696 on 80 CW at 50 watts. Larry listens on a British version of a BC-348. MG of Verdun wants to make separate finals for each band and bought a bagful of 807's to do it. Well, that's all there is for this month gang, so you can now go back to your Field Day planning. See you here next month. PARTING SHOT . . . Keep our bands clean! Use a dummy load when testing! 78 and read on! Floyd.

Votre chroniqueur français: Marc Cimon, Ve2WH.
2156 Blvd Lurier, Québec.

Un nouveau membre du CAROA, 2DS, nous envoie de bonnes nouvelles de Bagotville. André n'a reçu sa licence d'amateur que dernièrement mais il s'occupe de radio depuis longtemps comme "opérateur commercial." Il se propose maintenant beaucoup d'activités sur les bandes d'amateur avec un transmetteur ART-13 et un révr AR-88. Dès son arrivée dans la région, il a pu prendre contact avec les membres de l'Association des Amateurs de Radio du Saguenay (plus brièvement: ARRS). En effet, ce club fondé tout récemment compete déjà une vingtaine de membres qui manifestent beaucoup d'enthousiasme; le président est notre ami 2RA et la

secrétaire est la charmante 2ACI. — De St-Boniface, Manitoba, 4EL se dit très heureux de lire des nouvelles des amateurs de langue française dans le XTAL. Ed utilise une 815 en "super-modulation" et il est très anxieux de reconstruire des Ve2 sur 20 mètres. Il nous assure qu'il en est en de même pour ses amis 4XL, 4WP, 4BB, 4RS, et 4HE. 2JB nous envoie des nouvelles de Victoriaville: 2AFF, un vétéran des ondes hertziennes, doit bientôt venir sur 10 mètres avec une 304TL, de façon à avoir assez de pouvoir pour faire le "tour de la boule"; 2PQ emploie actuellement une 807 mais paraît-il qu'il nous réserve des surprises; 2ABD a pris quelque temps à venir sur l'air car Jean-Paul a eu quelques troubles avec la source d'alimentation de ses "19"; il a enfin pu s'organiser et il utilise un "bug" en cw avec beaucoup de plaisir. 2JB termine en nous informe de son assiduité au réseau "Le petit Train Domestique" quoiqu'en dise 2JAM! Un communiqué de dernière heure nous fait savoir que 2JB est à organiser un club de Radio Amateur dans la région de Victoriaville. Ceci est une très belle initiative, Adrien, et je suis certain que les lecteurs du XTAL seront heureux d'avoir encore de vos nouvelles. — 2NK semble avoir mauvais sort attaché à ses antennes; l'automne dernier son "beam" à 32 éléments pour 2 mètres a été emporté par une tempête, et dernièrement ce fut le tour de son antenne de 75. Victor demeure quand même sur 10 et 20 avec son pp807; il ajoute que son frère 2ZQ sera bientôt sur l'air avec sa propre station. Plessisville compte un nouvel amateur, 2AIX qui emploie un "19" et à qui nous souhaitons beaucoup de succès. — Je remercie sincèrement ceux qui ont eu l'ambition de me donner de leurs nouvelles ce mois-ci et j'encourage tous les lecteurs de langue française du XTAL à se faire connaître en envoyant un résumé de leur activités pour cette chronique. — 73—Marc.

Ve3

W. Bert Knowles, D.R., Lanark.

ACZ and BGU are brothers. BXD is weather man at North Bay airport. BOV is building a rig with 813's in final. BGU is accumulating parts for a 100-watt rig with 807's in final. GW and BCJ, father and son, have combined their rigs and divided the operating times. BCJ visited Ottawa and brought an S-meter for their 1155. Also on the same trip Paul visited AWF, RM, ML and QB. BON is working 10 and 80 fones and CW, while BSZ 10 and 20 cw. Toronto boys who lost their skywires in wind — BAX, ATB, ANY, ASX, APN, AIB, UT and IZ have had numerous contacts with Buffalo and Niagara Falls, N.Y. on 144 mc. HB has TVI, BVC has his RCC certificate. BUK is after his WAS on 40 CW. OR has tried out 10 meter fone. ARF and LT are mobile on 10 meters. Your D.R. had a very enjoyable QSO with AGB, who was operating portable mobile on 75 fone. DBH has been worked G's on 7 Mc., as well as VP3, HK5, and VK5. GO is back on the air again. Gord Wright has been trying to keep in touch with his brother in Ve8 with the help of VX and PA. AOU has an HQ129X. Beware — ZU is an R.I. and is all set to come on 75 and 40. BHK is a

LEARN CODE this easy way



•This automatic INSTRUC-TOGRAPH machine will teach you quickly to send and receive code (Morse or Continental).

It comes complete with code tapes and instruction book, gives clear signals as fast or slow as you wish. Low Rental plans, clockwork models, for 1, 3 or 5 months. New machines for sale, Electric Models included. Write for folder giving full details.

**Day, Night, and Home Study Courses in
Radio and Television; and in Radio
Communications.**

RADIO COLLEGE OF CANADA

54 Bloor St. W. - Toronto

Canadian Rental Hdqtrs. for over 10 Years

new ham in Belleville, using an 815 in the final. BHK, ADJ, and AJS are active on 10. The Belleville postman delivers all unknown QSL's to BLY. Your D.R. spent a very pleasant week-end in Ottawa and visited ML, AWF and AF, in company with BCJ. BBR made WAC in less than two hours on 14 Mc. during the dx contest. A W9 called BBR on a CQ dx and asked him if there was a contest taking place! ! ! QB worked VP6CDI on 10, 11, 20 and 75 fone during the fone dx contest.

SARC made his first African contact. 3BKB has gone FM. BGX is now on 10 phone. AGF is rebuilding again. BZU snags mucho dx on 40. DAA, after looking for the band for a week, now works on 144. BZV is still working on his new rig.

We would like to thank the various clubs for sending us their club mags. They are very interesting. AFARS, Ottawa valley squadron are now operating Tues. and Thurs. on 3785 Kc, at 1930 hours. Anyone interested in taking part in an AFARS CW net in the Ottawa Valley are asked to get in touch with the squadron controller Ve3QB. The QSL file of three-letter calls beginning with "B" was gone through during March and all delinquents notified. Unclaimed QSL's, by the time this is read, will be removed from the file and placed in a position to keep the shack warm next winter. Similarly, the QSL manager is preparing to start the three-letter calls beginning with "A," and then the two-letter calls. There are quite a number of QSL's on hand for three-letter calls beginning with C, D, and E. Will the holders of these calls please send your QSL manager a self-addressed and stamped envelope and start your ham life right.—73.

Ve4

Jerry Walsh, Ve4GW, D.R.
Marion St., St. Boniface. Phone 202081

TB has quit burning up the ether for a while, and has now taken to burning up the ethyl in his newly acquired "hotrod." FK was recently presented with a seven-pound junior op. CG wants it known that he is not constructing a new rug as was reported in the Feb. issue. Believe me, Don, I sent it in as "rig." Hi, hi. DY is still trying to muster enough courage to put the juice on the new final. The W.A.R.C.'s St. Patrick's Day dance and social turned out to be a very fine affair, with an excellent orchestra, lots to eat and plenty of high powered bottles from a local brewery. After the orchestra had left, NG, a master of the 88's (piano that is) took over and did a swell job. AD, the organizer, was somewhat disappointed at the turnout. It seems that those who had screamed loudest and longest for a social were the ones that didn't show up.

Rumors have reached me to the effect that I was wrong when I previously stated that YL was the only licensed yl in Manitoba. Well, how about it, gals? Let's hear from you. RE is on 20 with NBFM. AJ is eagerly awaiting the opening of 21 Mc. Len plans to use a four element windmill on this band and make it his permanent stamping ground. DL has finally settled on screen modulation. NZ, CW forever, has finally weakened and is going to screen modulate his rig on 20. CG is now keeping GB company out at Seven Sisters. QG is using NBFM on 20 with fine results. RM is on 10 fone and 20 CW with 150 watts to a pair of 807's. An AR88 is used to hear the stuff. NI now has a beam for 10 meters. It says here that WK, Chuck Milne and CM, Bill King have officially exchanged calls, in order that each may have his respective initials in his call. E and FC are both constructing mobile 10 meter outfits. JJ and WK (Bill King) work on the same streetcar. DO is using NBFM on 20. Bob recently moved into a brand new house and found conditions much more conducive to ham radio. AM had an irate citizen call at his door one night accusing him of BCI. To quote said citizen: "I know it was you. I recognized your voice." However, this rage soon turned to abashment when he viewed Art's rig . . . completely dismantled for circuit modification. We have a report from Killarney, sent in by RB. Seems that GN is going to replace his present 19 set with a super deluxe ether buster as soon as the Hydro lines are put in this spring. RC will soon be another Killarney representative on 40 and 80 with a 6V6-807 transmitter and command set receivers. The latter however will soon be replaced by a homebrew job. One of the operators from GI6M (a club station) is now in Winnipeg with his yl. They plan to take up permanent residence here.

There seems to a large-scale exodus of ham underway. GI is leaving for Regina, DP and FV for Vancouver. FJ plans to sign Ve6 next fall and KK is now a Ve2. KW and DE are heading for Ve3 land sometime this summer. ML is using a pair of 807's and a pair of 813's on ten and twenty fone respectively. A 3-element

20-meter beam is on the agenda. RO rolled up an impressive score in the dx contest with 73 countries on ten fone alone. George, by the way, is up to 172 countries at time of writing. XO has joined the ranks of the elite with confirmed DXCC. Chuck is now up to 125 countries. TJ has 114 countries and 3AAZ, now in Winnipeg, is up to 124. RP is still catching up on his sleep after working some fine stuff on 10 and 20 fone during the contest. FM is using an 833A on 20 CW. A recently acquired SX28A now graces the operating table of YW at Brandon. IW is on 75 fone with 25 watts input, and really shows the high-powered boys a thing or two. NN is on 20 fone and seems to be working out very nicely. HS, in Miami, has increased power. JY is not active these days but spends a lot of time listening on his SX42. DL has a three-element rotary for 20. The trend towards beams continues. Winnipeg will soon look like a giant helicopter landing field.

At the recently held W.A.R.C. elections, Al Jebb, TJ, was re-elected president; G. Williams, SO, was elected vice-president; Miss Leone Young was re-elected secretary and Len Cuff, LC, was re-elected treasurer by acclamation. LC, our QSL manager, still has plenty of unclaimed-for cards in his files. So how about sending him a stamped, self-addressed envelope right away. We hear that all four Winnipeg stations in the Manitoba phone net are having BCI troubles.

Well, gang, that's all for this time. By the time you read this we'll be finished our exams and will have more time to devote to this column. In the meantime how about following RB's lead and drop a line this way sometime soon. It need not be of earth-shaking importance nor need it be edited. Thanks and 73.—Jerry.

Ve5

This effort, I am afraid, will have to be my swan song, not because I'm getting lazy, but because of ill health, and I hope someone will step into the breach and carry on.

I'd like to make my first word one of congratulation to the Regina hams for their initiative and energy in stepping out after plans for this year's ham fest had bogged down and announcing that they would put it on July 1. We here, in the Radio Club at Saskatoon will try and give our wholehearted support, and we will be there with bells on.

One portable rig will be missing this year, however, as 5JF cannot get down at that time, but your truly may be mobile by then.

5OP at Moose Jaw is bewailing the fact that XTAL is late in coming out. We all have that regret, but remember, fellows, if all Canadian hams would join CAROA, the organization have the funds, and the circulation to function and pay its way as an advertising medium, and it could be developed into a real radio magazine properly serving the Canadian hams.

There were 15 members present at the Moose Jaw monthly club meeting. 5HR was a visitor from Regina and Saskatoon. Incidentally 5HR is now located in Saskatoon, and is continuing his activity on the Trans-Canada trunk line. 5NV is also on the trunk line in the south. At the Moose Jaw Club meeting 5EP gave a talk on air-cooled broadcast transmitting tubes as used at CHAB.

What of the Regina hams? All I can hear is from the net 5LM and 5FS are on 75, and I also believe that 5LM is working mucho dx on 10 and 20. 5CM has been silent for some time now, but 5GA, 5FA and 5QT still join with 5LM, and the Skunk network is still ready to function if its secretary will get on. 5FA is also punching out on 10 with the Hammond beam. So far so good, but we would sure like to hear the highlights. 5OM was heard on 75 so apparently he has the surplus rig tamed. Pretty good quality, too. 5MR has been transferred to Cudworth, we understand, and we are wondering when he is going to get on the air again.

5AN got going good on 10 fone with rebuilt rig, but has since developed a beautiful hum. 5AJ continues his vigil on 20 meters, and works lots of dx on CW. 5BW is heard on occasionally, but studies and other activities take up most of his time. 5BF has erected a cubical quad in the attic. The quad encircles the light wiring, and it can't point straight for New Zealand, and the reflector is four feet short of wire, and is not directly behind the driven element, but gets nearly as good reports from New Zealand as the three-element rotary beam well up in the air outside, so hopes are held for the quad when properly erected and adjusted. 5CJ has the landscape around his house draped with various antennae, or should we say antennae, and he is working dx with his cathode-modulated 70 watts. 5EE has various projects on hand, and is heard on all bands, but uses unparliamentary

language about his noise level. 5FD continues to swipe the VK's and ZL's from under my nose. 5FG after a start on ten seems to have lapsed into silence. 5FL is still active on the net and on ten fone with the beam still working very nicely. 5FY has been under the weather lately, but in thinking terms of an 813, and also improvements to his portable mobile. I was phoning Madeleine to find out how Heddle was only to find the phone busy, so I phoned Flo 5FL, and found that phone busy, so those two gals were chatting I betya cussing out those high power guys like BF. Incidentally BF called G8FCL with 28 watts input, not noticing that he had forgotten to turn up the variac on the final after tuning, and got S9, then noticed the omission, and turned up to 400 watts, and got SS-9 HI HI HI. 5GG still working on 40 CW with TBS50, probably using an underground antenna now. 5GR is still building. He can't get his ideas straight as 5FY keeps suggesting improvements (?). 5JB is on 20 and 75 fone. Good quality sig. too. 5JF is progressing on his 28-tube receiver. This receiver will have everything including a spigot on the front panel for the refreshment of visiting ham. 5KQ is still on 20 CW, but we expect to hear him on fone anytime now. 5LG is on bands on CW, and please excuse our incorrect report of two months ago. 5MQ is on CW and on 20 fone with NBFM. How come we don't hear you on ten, Jack? 5MX is still on CW. 5MC is heard occasionally on 75 NBFM. 5OB on 10 and 75 fone having QSO's with the TBS50, and is thinking in terms of a three-element beam for ten for next season. 5RC is still silent but we believe he figures on getting on six soon. 5RJ has been making small gadget changes, and working to improve the sensitivity of his receiver. 5UC mostly working on 75 meter phone, with one of the really good rigs on that band. 5UZ has 75 fone, but we understand, that in all probability whe he is through at U he will be moving east, and Saskatoon will lose a good ham. 5YF has been active on all bands, and has also been visiting friends in Regina, while Heddle did some redecorating. 5BU and 5GC visited Saskatoon. 5RL is either on or soon to be on, but your correspondent has not heard him yet. 5GT is on with a surplus transmitter on 80 CW but is having troubles. 5RD and 5HU and 5GU are on the ten and twenty bands, and getting out like nobody's business as we hear the dx boys calling them. Also we hear them calling 5AQ and 5CD. 73-Gus.

Some news from P.A.: VB has moved across the lane. IC received OBS appointment. PA put his rig on 20 to see if the dx can be worked. NA is silent. DD is new call at Nipawin and will be on CW soon. RV who moved to Cudworth has no antenna. HG and CA keep Kinistino on the air on 3.8 mx fone. WI has a nice sky hook but no transmitter. AI at Connell Creek is now on fone. HI skeds his brother HJ regularly. DV is active on 7 Mc at noon.

The dx contest has come and gone for another year and yours truly was patting himself on the back, but hears rumors that Ethel 5CD, Mel 5JG and a Moose Jaw ham unknown, not to mention Allan 5JV, have piled up scores that leave me far behind. It was a lot of fun anyway, and the dx sure rolled in. Was gunning for ST2AM in the Sudan but Melhoff picked him off under my nose.

The Saskatoon Club are making great plans for Field Day, and it promises to be a good week-end. Expect to have three or four rigs on the air.

For those who like to combine fishing with hamming, understand 5GC has a cabin up at Lac La Ronge which should have the virtue of low noise level as it's on an island 20 miles from the settlement. Should be a paradise for reception.

Jack reports from Prince Albert CA and HG lost their antennas in April dust storm. So did many others. RV has returned to the air at Cudworth after about four months of silence (and incidentally, did any of you fellows hear a YN2 called Montana on the 75-meter fone band. Hi hi.) and he can now be heard for miles around in the telephones. Santa brought him a wire recorder. Be careful what you say, fellers. AW has started building a smaller bands switching rig, about the size of a lunch kit with 807 final. His recently constructed rig with 814 final goes to HS, who was burned out a few months ago. HI finally got an antenna up — one of those three-wire folded efforts which can be used on 75 meters and down, and now gets favorable reports. He worked his first G on 20 CW and got the card 10 days later. The Northern Saskatchewan Amateur Radio Club holds its meetings in Prince Albert the first Wednesday in each month. The main item at the April meeting was a showing of

three 20-minute films of general interest. The club expects greater attendance at the May meeting when road conditions will permit the 50% of its members located outside Prince Albert to attend. PA is now fully equipped for the fishing season with mobile job in the making. IC and VB talk fishing and going mobile.

CM has a wire recorder. Understand also that 5GA is planning on bigger and better fish this year than ever.

Before I forget it. I would like to express appreciation of the job 5GI Steve at Lipton did in the handling and organizing the help for 5HS after his very great loss. That's the spirit that makes ham radio what it is, Steve.

5FG has been transferred to Gimli, Man. There are some who figure we rode him out of town on a rail, but that report is somewhat exaggerated. We hope to hear him on the air from VE4 soon.

The last we saw 5AN was hunting an 816. Wonder if he ever located one. 5AJ was heard on 10 the other day working LL's one after the other. I was reading his mail. B is on 10 fone once in a while. BX is on occasionally. CJ is now figuring on a ten over twenty. CR is busy with studies. DR was working lots of dx on 10 meters with his NBFM fone. EE is on 40 CW and 75 fone. EW is on 20 fone. FD took a trip down east through W8 and W9 land, coming back with a gasoline buggy, but no ham gear. FL is on 75 net and also on with Hens Club and YLRL. GG has now got his QTH at the airport and is working dx on 20. Got his first KP4.

GR has moved and is still laying plans for transmitter, obstructed by ideas from FY.

JB is on fone occasionally with nice sounding rig. KQ is still on 20 CW but not quite so active as the army unit takes a lot of his spare time.

LG out at the airport is on 40 CW. MO is busy with exams, once in a while on fone but mostly CW. MX has been transferred to Coral Harbour and hereafter and hereafter will be signing a VE8 call. OB snaffles KHC and CE on 10 and is on the net. Your correspondent paid him a visit the other day. That MBS50 is a sweet little job, and the SX25 does a lovely job on reception. RC has been hearing outside stations on six meters, but hasn't got transmitter working yet. 5JF has 16 tubes of his 28-tube receiver working. Now working on the panadaptor portion. He has not yet installed the spigot.

8TH OFFICIAL A.R.R.L. CONVENTION

Sponsored by
**BRITISH COLUMBIA AMATEUR RADIO
ASSOCIATION**
at
**UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER, B.C.**

AUGUST 5, 6, 7 - 1949

RESERVE EARLY!

**Three Glorious Days in Canada's Evergreen
Playground!**

FUN! PRIZES! BANQUET! DANCE!

**Inquiries invited for reservations and
advance ticket sales.**

P. McIntyre VE7JT

981 W. 26th Ave.

VANCOUVER

E. Savage VE7FB

4553 W. 12th Ave.

VANCOUVER

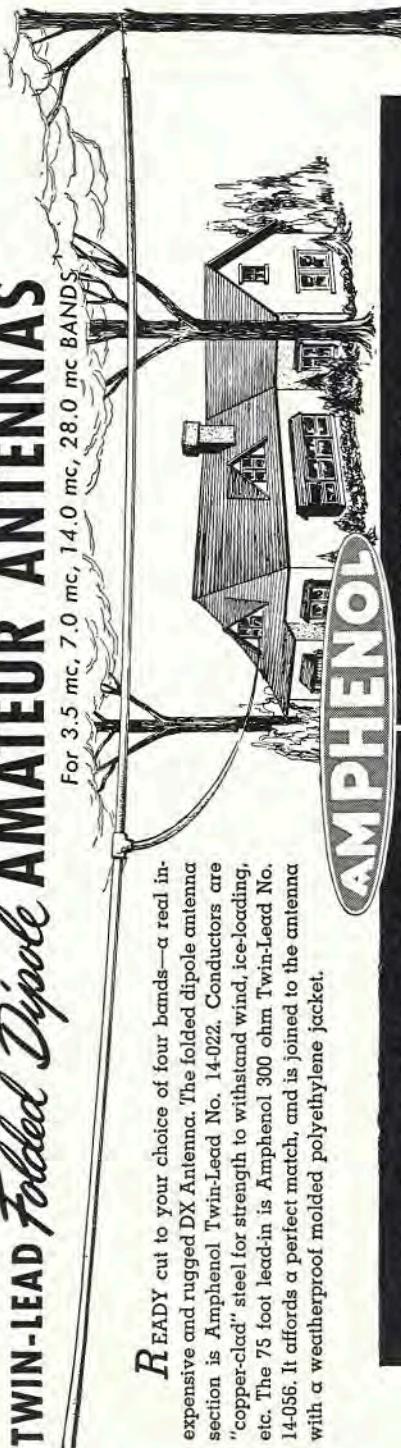
R. K. Town VE7AC

2879 Graveley St.

VANCOUVER

TWIN-LEAD Folded Dipole AMATEUR ANTENNAS

For 3.5 mc., 7.0 mc., 14.0 mc., 28.0 mc. BANDS



READY cut to your choice of four bands—a real inexpensive and rugged DX Antenna. The folded dipole antenna section is Amphenol Twin-Lead No. 14-022. Conductors are "copper-clad" steel for strength to withstand wind, ice-loading, etc. The 75 foot lead-in is Amphenol 300 ohm Twin-Lead No. 14-056. It affords a perfect match, and is joined to the antenna with a weatherproof, molded polyethylene jacket.

AMPHENOL

AMERICAN PHENOLIC CORPORATION
1830 SO. 54TH AVENUE • CHICAGO 50, ILLINOIS

Represented in Canada by

J. R. LONGSTAFFE LTD. • 349 CARLAW AVE., TORONTO, ONT.
CHAS. L. THOMPSON LTD. • 744 W. HASTINGS ST., VANCOUVER, B.C.

5RJ is on regularly with usual good signal. UC's antenna pole is still on the ground. UL has finished his exams and has gone east. 5FY, etc., gave a going-away party. Bon voyage and happy landing, Jim. RL is on 40 CW.

MA is also on with a wire recorder and experimenting with NBFM and also with super modulation.

We are still listening for 5WG. Wonder how 5EV is getting along making portable out of the 1196. Had a visit from 5AQ, Rosetown. OP still working on the dog shift. LV still buzzing around the net. KR on late nights. JD is trying out phone — me oh my! FW out of hospital after 13 weeks, but still has leg in cast. KJ has been on TLI two nights a week, with east and west skeds. HR takes the other three nights. KJ and sons cleaned up in local bonspiel, two firsts and grand aggregate.

Guess that's all for now fellows.—73—Gus Cox, VE6BF.

Ve6

Bill Savage, VE6EO, D.R., 3291-5 St. North, Lethbridge.

6TA and KU are back from holidays in Florida, and Clarence says he met a wonderful lot of hams. Also he says there are lots of snakes and crocodiles which he does not care for very much. Nice to hear you on again, om. OT has not been active on the air because he had been busy curling this winter. KY must be working dx because he is looking for QSL cards. IX is keeping skeds on 40 CW with 3BER, who was a chap from Hackett. Ed says he's using 3½ watts on 75 fone and wants the boys to give him a call when they hear him. I don't know how you battle the QRM with all that power. Ed, BO is looking for a SM7 card and now has his VFO going. You're doing fb with your 60 watts. Steve, KO keeps a sked with Japan so a GI can talk to his wife. AB says he can really work the dx now he has a new HQ-129. BH seems to be selling out. What's the trouble, Frank? FK has to fix his beam with the aid of a flashlight at midnight so he can continue with the dx contest. WS and xyl entertain the local hams at home. CH has had trouble with his modulator but has it going now and is on 80 and 20. PW sent in an envelope with his pre-war calls and I thought it was a call book. BM writes in a wonderful letter and we find that we have an oil painter in our ranks. If you fellows need doing in oil (not transformer oil) just see Bruce. MZ is a very busy man but finds some time for dxing. CE burns out his vibrator power supply. VR is active on 75 fone and is putting out a nice signal. JC is getting all peppep up for field day. He also claims there are three new recruits for the ham ranks. Well, we listened to the AEC net the other night and really enjoyed it. There were two bands being used. On 75 fone were FK, AC, AX, YU, HN; on 10 fone were OO, NF, JK, JV. After the net practice, which was recorded, it was put over the newscast of LJOC. Very nice work, boys, and keep the good work going. NA, the nice amateur (so he says), could be identified by some other phonetic words but we wouldn't mention them because we think Sid is a nice ham. Please note, everyone, that the Edmonton Hamfest will be held on July 30 and 31. It is going to be a big affair, so we want all the hams to be out in force along with their xyl's and yl's. Don't forget to keep those dates clear. IP is rebuilding his 1155 receiver for 10 with noise silencer and all the gadgets. SR seems to be getting out well on ten. OF is busy installing NBFM with speech clipping in his rig. RH, we hear, is going to Scotland. It's hard to picture Roy in kilts (hi). MV has changed jobs and is now with the Alta. Govt. telephones. OG is very busy moving into a new QTH with a nice basement for a ham shack. BW puts out a nice signal on 80 CW. Also we hear TW pounding brass on 80. LF has made a trip to Seattle and since coming back has found enough time to get his rig going in his new QTH. NO is on 80 CW, using an Army 19 set.

6NB is on 75 fone with a portable emergency rig. He reminds yours truly that the last QSO I had with him was in 1933. That's a long time ago, and I will have to do something about it. Johnnie. CR sends in some nice words of thanks to the QSL bureau. Many thanks, Paul, we appreciate it greatly. NA is a very busy boy these days building an emergency rig. IK tries to get it the odd bit of CW to keep in practice. OG and LD are very busy these days wiring in control units and circuits in the new studios for CJOC. It's really going to be a swell place when it is all finished. VN, we understand, was in such a hurry to get to a job in the country that he left his front door wide open and locked the back door. That prevents anyone from breaking the door down to

get in. PV and VJ paid a visit to Lethbridge and we will see if the bus drivers can't handle passengers a little more carefully next time. OF is really working hard since he has been back to work. BC is looking out for a new car now. FK really gets a bang out of the jokes told by 7AKZ. How long was the tunnel, Woody? LQ is a very busy man but did take time out to send for cards. He wants to be remembered to his friend 6OP. WB is heard on 75 again. FR is heard pounding brass on 40 CW. NO is on 75 fone. MJ has lost his assistant for the fone net, in the person of PV. Imagine IX talking about 24-ft. snowdrifts in hot June weather. OD is still carrying on as net control station and doing a nice job. MA is getting ready for his holidays to go out and visit all the Ve7 boys, as well as several W7's.—73—Bill,

Ve7

Ernie Savage, Ve7FB, D.R.
4553-12th Ave. West, Vancouver.

We heard there are going to be many mobile rigs on this summer, so let's have the info. 7AKF Bob has been on the sick list; yep, they say it was measles. 7TC Fred is in his new house and he worked too hard and is laid up. 7AEC Noel is still laid up but has his TV really showing pictures and all the gang is asking him the dope on TV. 7WM Bill now reports picture and sound to come. 7XW Hedio reports sound and video to come. 7CB Chris is in hospital; they tried to put him in room 13, but he would have none of that. 7ACW Cye is rebuilding and says that it will be one-switch job to go fone. They say that he operates now with bare feet, so he can close all the switches. 7ABO Len is now at Lake Shalath. 7PH Doug is using mobile on 75 and gets good reports. 7DZ Marxie's pole is now resting on the ground and soon that will be up some forty feet. Collingwood A.R.C.: After listening on 10 fone during the last contest week-end, we decided to ask for contributions to buy overmodulation indicator for 7VO. The prize during the contest seems to have been ST2 who was worked by about 15 locals in a row, including 7ADB, who seems to have turned into a real dx'er with his 100 watts. 7OJ Gordie seems to do pretty well. FO8 ZK1,

and VR3A, all this with his beam about two inches from the eaves (could be eavesdripping). Now he has a forty-foot pole up and we really expect to hear results. 7ADB has picked up the handle of "Sammy." 7AKK has spent plenty of time on 10 this winter and worked quite a bit of stuff. 7ADV makes very fine contacts into Germany. 7AZ also has done very well during the dx season, claims a record of working a G at 3.15 pm local time on 10. 7UU has increased power to about 350 watts and bought a Hammond beam. 7VY heard moaning that he now has two half-KW stations in the close area. 7DJ, the club transmitter, will soon be on NB and phase mod. 7LF is leaving town for Smithers. 7XT will miss him. 7AIG isn't heard on the air lately. He has TV eyes chasing the spots across the tube. Fraser Valley A.R.C.: Spring has sprung in this neck of the woods and is taking its toll among the fraternity. It appears that the members are so busy trying to keep up with the cost of living that activity on the amateur bands has fallen off considerably. 7AFB has completed his rig for 10, 6 and 2, but is looking for a new place to hang the sky hook. The club's training program is off to a good start with half a dozen would-be amateurs on the roster. They are very keen and shouldn't be too long acquiring new calls. From present indications there will be another fight on the dykes this year, but we have the equipment ready and members are all ready for any trouble. Our membership has dropped, due to another new club in Langley Prairie. It will provide a centre for amateurs in Surrey as well as Langley Prairie. Anyone interested in joining contact Reg Easingwood at radio store of same name on main drag of Langley. 7UT Tom was another who thought he had the world in his grasp, a G2AXC calling CQ on 75 with five by nine signal. Edna, the xyl, alerted Nelson, and of course this same thing was going on all over the coast cities. But in the end he signed portable marine on or in some waters in the Puget Sound. Now it's not wise to say too much about 75 meters dx. East Kootenay A.R.C. had their emergency equipment on the alert during the recent Ski Tournament. They had it all set up with 7AAY at the mike in case some down-hiller piled up, with 7AJM and 7ADN in town standing by. The club net got off to a good start with the majority

INSIDE THE FAMOUS hallicrafters HT-19 YOU'LL FIND B & W INDUCTORS



"hallicrafters" and "B & W" need no introduction to their many friends in the amateur radio fraternity. However, in any piece of equipment, it is the quality of workmanship and parts selected that determine its performance on the job.

That's why we're particularly proud to tell you that when you look inside the latest transmitter released by *hallicrafters*, the new HT-19, you'll find B & W INDUCTORS on the job!

Final stage of hallicrafters HT-19



BARKER & WILLIAMSON, Inc.

237 FAIRFIELD AVE., UPPER DARBY, PA.

Canadian Representative: Wm. F. Kelly Co., 1207 Bay St., Toronto

Bliley
CRYSTALS

TYPES
AX2-AX3

The only plated
amateur crystal

Drift less than
.0002% 1°C

Precision
calibrated
Peak
performance



FOR BEST RESULTS
USE THE
RIGHT COMBINATION!



CCO-2A

Packaged crystal
control for
2-6-10-11 meters

Bliley
CRYSTAL
CONTROLLED OSCILLATORS

BLILEY ELECTRIC CO. • UNION STATION BLDG. • ERIE, PA.
SOLD THROUGH ALL LEADING RADIO DISTRIBUTORS
CANADIAN REPRESENTATIVES

ASTRAL ELECTRIC CO., 56-58 WELLINGTON STREET EAST, TORONTO
C. M. ROBINSON CO., 207 SCOTT BLOCK, WINNIPEG, MANITOBA

reporting in every night at 6, but W7 QRM has us, as they have a net, we find, on 3995 Kc. So some of the members are going to see what ten offers. 7XM has NBFM now and seems to have rid himself of a BCI headache. 7AJM and 7CR are still burning the midnight oil working dx. 7ALX Tom and Pauline report birth of a daughter; congrats from us all. Vancouver Amateur Radio Club had a small test as to what their members knew at one of the meetings and in the code test at ten words it was solid copy for all, theory nearly solid and generally good in all. Other clubs should spring it on their members to settle the old story he can't copy code. Prince Rupert A.R.C.: TALC Len was recently posted to Ottawa and Portage la Prairie for duty with army and expect to hear him on soon. The club presented him with a Ronson lighter. 7ANK Frank has rebuilt his rig with 809's in the final. Says he can dispense with the heater in the shack, also has a new centre feed zepplin and doublet, so here goes all-out dx. 7GM Geoff has been baby-sitting lately and working on the rig in between, chief problem new receiver to go with transmitter. 7AHI Rex still working on the rig, has at last got the final working, has been very busy doing extra duty with the army on R.R. breakdown of communication. 7AEN Hank recently arrived from the south and been working hard to get on the air. He is with the Navy here. 7ANY Marj has moved to Victoria and hasn't been heard yet. 7ALZ Ray has moved to Vancouver and is building his own house. 7ACC Tom, recently Ocean Falls, has gone to Victoria with D.O.T. for radio range. 7ANL Johnny going to Bull Harbour with D.O.T. 7DX Bill heard on 75 fone getting out O.K. 7AMX Manville heard working 40 CW. 7AMT Norm works into Skeena net with 7LK, 7PG, 7ANS, etc. 7LK Bill has been doing good work getting railway traffic through to Terrace and other points during the recent breakdown of land lines. Bill also put lovely signal into Vancouver on the 5 o'clock net. 7GG Fred fairly active on 75 fone. 7QT Harold heard now again on fone and CW. 7GY Sid heard working the local gang. 7AFR Fred has built final using 812's, been having little bias trouble, also nice new rack, works AFARS net. 7AGO Jim of Terrace, 80 CW AFARS net. 7GL Stage of Smithers AFARS net. 7UY Ron of Telegraph Creek not been heard lately. 7QY Eddy of Ushk sent rig to Terrace to have it checked over. So far it has not arrived. Guess it's laying in some old box car. 7CH Vic active during the storm portable rig at Telewa. 7AFT Jack, Telegraph Creek, heard fairly well once in a while with 1½ watts. 7AIP, Takla Landing, recently worked by 7AFR and 7ANK, new call in the district. Thanks, gang, for all the swell letters, and please don't stop sending them.

"BEAT NOTES"

Hey gang! Note these changes and additions to the "Q" code and start using them!

QRI—How is the tone of my transmission? The tone of your transmission is: 1. good. 2. variable. 3. bad.

QRX—When will you call me again? I will call you again at _____ hours on _____ kcs. (Note: Just plain dit dah dit dit dit is now used in place of QRX to mean "wait.")

QSN—Did you hear me? (or _____) on _____ kcs.

QSI—I have been unable to break in on your transmission.

QTV—Shall I stand guard for you on _____ kcs.?

QTX—Will you keep your station open for further communication with me until further notice? (or until _____ hours?). I will keep my station open for further communication with you until further notice (or until _____ hours).—Ve2XR.

Ten Reasons Why... EVERY SERVICEMAN NEEDS THE VOMAX "900" NOW!

1. A "MUST" for FM/TV for alignment and trouble-shooting.
2. Price only \$79.95 (\$20 to \$50 less than comparable equipment.)
3. Simple, easy, time-saving (Only one set of test leads—others average two.)
4. Measurements to 12 amps (other instruments average only up to 1 amp—car radios 3-4 amps past their range.)
5. Total of 51 ranges. (Others average 35-40 ranges.)
6. Portable and Self Serviced (will operate on 25 to 60 cycle A.C.) Can be used to check own voltage and resistance.
7. Unusual stability on all ranges (once zeroed, will stay that way for many hours.)
8. Handy R.F. Probe. Puts less load on circuit under test than other types — gives finer, more accurate reading.
9. Made in Canada—By Canadians for Canadian conditions.
10. 90-day factory warranty.



For Television, or for F.M., the Vomax 900 is a MUST on the Test-Bench of every alert Service Man. Read the 10 reasons alongside carefully — they will prove conclusively to you that Vomax offers you far more than comparable equipment, at the extremely moderate price of: only.....\$79.95

Write direct giving us the name of your local Jobber.

McMurdo Silver
DIVISION OF
General Radionics
LIMITED

A subsidiary of Transvision-Television (Canada) Ltd.
HAMILTON

ONTARIO



Eveready Battery Trophy Contest

June 18 - 19

In recognition of the valuable services rendered by the amateur radio operators of Canada, and to encourage construction of apparatus specially suited to emergency operation, Canadian National Carbon Company Limited again offers the "Eveready" Battery Trophy for open competition by Canadian radio clubs. The cup will be awarded to the club submitting the highest score under the rules set forth by the A.R.R.L. Field Day Contest announcement.

"Eveready" is a registered trade-mark of

CANADIAN NATIONAL CARBON COMPANY LIMITED

805 Davenport Road, Toronto 4, Canada

EVEREADY
TRADE-MARK
RADIO BATTERIES